



KERALA GAZETTE

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PART III

University of Kerala

NOTIFICATIONS

(1)

No.Acad.L./Ord./2312/2008.

7th October 2008.

In exercise of the powers conferred on the Syndicate by virtue of Section 36 of the Kerala University Act, 1974, the Syndicate at its meeting held on 29-4-2008 has made the following amendment to the Kerala University First Ordinances, 1978.

AMENDMENT No. 206

“ That, in Chapter IV, Levy of fees by the University, in the Kerala University First Ordinances, 1978, the following be added as serial numbers (vi) and (vii) under Item 23A of ‘D’ other fees, under Ordinance I.

(vi) Genuineness verification of official transcript : Rs. 1,000

(vii) Attestation of copy of Rank Certificate : Rs. 500”.

The above amendment to the Ordinances was laid before the Senate at its meeting held on 29th and 30th July, 2008 as envisaged in Section 37 (1) of the Kerala University Act, 1974.

(2)

No.Ac.L./R./2313/2008.

7th October 2008.

The Academic Council at its meeting held on 20th May, 2008 approved the following amendment to the Regulations relating to recognition of Examinations and Degrees of other Universities.

AMENDMENT

That, in Chapter IV-norms for granting Recognition/Equivalence to Examinations, Degrees etc. of Universities or Boards of Foreign Countries of the Regulations relating to recognition of Examination and Degrees of other Universities: the following be added to the existing entries under relevant Universities/Institution under the heading Degree and Examination of other Universities and Institutions recognized by the University of Kerala.

Sl. No.	Order No. with date	Name of the State Boards/ Statutory Universities/ Foreign Universities	Examination/ Degrees	Corresponding Examinations/ Degrees of the Kerala University
(1)	(2)	(3)	(4)	(5)
1	Ac.C3/03/6159/07 dated 17-3-2007	Alagappa University	M. Sc. Industrial Chemistry ® (Textile Chemistry Specialization)	M.Sc. Chemistry Degree of Kerala University
2	Ac.C1/27844/06 dated 23-1-2007	Andhra University	M.Sc. (Capture and Culture Fisheries Degree ®)	Recognized as equivalent to the M.Sc. Degree Aquatic Biology and Fisheries of Kerala University for higher studies and employment where M.Sc. Aquatic Biology and Fisheries is the required qualification
3	Ac.C1/33192/06 dated 8-1-2007	Dr. B. R. Ambedkar University (Former AGRA University)	B.A. Degree (Triple Main) (Private) Economics, Politics and Sociology	For the purpose of admission to the MBA Programmes of Kerala University
4	Ac.C2/57/22417/06 dated 25-11-2006	Bharathiar University	M.A.Degree Communication ®	For employment purpose (Equivalence need not be granted as MCJ Degree)
5	Ac.C1/28691/06 dated 26-3-2007	Bharathidasan University	B.A. Degree in Tamil DDE	Recognized for the purpose of B.Ed. Degree programme of Kerala University
6	Ac.C1/39592/22/98/04 dated 16-1-2007	University of Calicut	B.A. Degree Double main English and History ®	As equivalent to B.A. Degree English for the purpose of admission to B.Ed Degree (Optional English) of Kerala University
7	Ac.C3/02/5530/07 dated 21-3-2007	Do.	B.A.Degree (Double main) Arabic and Islamic History ®	As an eligible qualification for the purpose of admission to the B.Ed. Degree course in Social Science of Kerala University
8	Ac.C1/35538/06 dated 22-1-2007	University of Hyderabad	MPA Degree (Theatre Arts) Four Semester Programme	For the purpose of Registration for Research leading to Ph.D. Degree of Kerala University
9	Ac.C2/67/3416/06 dated 18-1-2007	Kannur University	B. A. Degree Development Economics (R)	B. A. Economics of Kerala University
10	Ac.C1/11711/06 dated 23-1-2007	Kerala Agricultural University	M.V.Sc. (R) Degree	As an eligible qualification for the admission to M.Phil. Degree programme in Bioinformatics of Kerala University
11	Ac.C2/1/1788/07 dated 30-1-2007	Do.	M.Sc. Degree Agronomy ®	Recognized as sufficient qualification for the purpose of admission to the M.Phil. programme in Bioinformatics Degree of Kerala University
12	Ac.C3/06/3607/06 dated 21-4-2007	Kannur University	B.A. Degree Functional Hindi	For the purpose of admission to the PG Diploma in Hindi Translation Degree of Kerala University

(1)	(2)	(3)	(4)	(5)
13	Ac.C2/66/32968/06 dated 8-12-2006	M. G. University	M.Sc. Degree Applied Electronics and Computer Technology ®	For the purpose of admission to the M.Tech. Electronics and Communication, Opto Electronics and Optional Communication Degree of Kerala University
14	Ac.C3/21/12301/06 dated 7-12-2006	Do.	B . A . D e g r e e Economics (Vocational) Mode II ®	Equivalent to the B.A. Degree Economics of Kerala University
15	Ac.C1/36326/07 dated 2-3-2007	Do.	B . S c . D e g r e e Physics and Electronics Equipment Maintenance (Vocational subject Double Main)	For the purpose of admission to the MCA Programme of Kerala University
16	Ac.C/23/33311/06 dated 28-3-2007	Madras University	B.A. Public Administration (Distance Education)	B.A. Political Science Degree of Kerala University for the purpose of higher studies
17	Ac.C1/007698/05 dated 14-2-2007	Periyar University	B.Ed. ® Degree	B. Ed. Degree
18	Ac.C2/67/33186/06 dated 7-12-2006	Sree Sankaracharya University of Sankrit, Kalady	BFA ® Degree	BFA Degree
19	Ac.C/63/27487/06 dated 20-12-2006	Do.	M.A. Degree in Sanskrit Vedic Studies ®	M.A. Sanskrit
20	Ac.C1/35624/06 dated 13-2-2007	Sree Ramachandra Medical College and Research Institute	B.Sc. Degree in Allied Health Sciences	For the purpose of admission to MHA of Kerala University through IDE.
21	Ac.C1/26917/05 dated 25-11-2006	University of Kalyani, West Bengal	BLISc. Degree (Regular)	BLISc Degree
22	Ac.C2/75/8983/07 dated 30-4-2007	Annamalai University	M.A. Degree Political Science	For the purpose of Higher Studies only.
23	Ac.C/012225/07 dated 23-5-2007	Rajeev Gandhi University of Health Science, Karnataka	B.Sc. MLT. Degree	For admission to MBA Degree
	Ac.C/012225/07 dated 23-5-2007	And All Statutory Universities and Deemed University which listed in UGC & AIU	Professional Three year degree like B.Sc. Agriculture	Recognized as sufficient qualification for giving admission to the MBA degree course subject to the condition that the Scheme and Syllabus are in parity with our graduate programmes and also 50% aggregate marks in their credit
24	Ac.C1/04/7206/07 dated 17-5-2007	Barkatulla University, Bhopal	M.Phil. Degree in Bioscience	M. Phil. Degree in Zoology.

The above amendment to the Regulations relating to Recognition of Examinations and Degree of other Universities was laid before the Senate at its meeting held on 29th and 30th July 2008 as is envisaged under Section 39 (1) of the Kerala University Act, 1974.

(3)

No. Acad.L/R/2314/2008.

4th October 2008.

The Academic Council at its meeting held on 7-11-2007 approved the Regulations relating to M.Phil. Programme in Nano Science and Nanotechnology. Academic Council at its meeting held on 20th May 2008 approved certain amendments in the clause Eligibility, in the Regulations relating to M.Phil. Programme in Nano Science and Nanotechnology (2007 Admissions). The Regulations as approved by the Academic Council is as follows:

REGULATIONS FOR THE M.PHIL. DEGREE COURSE IN NANO SCIENCE AND NANOTECHNOLOGY (MODIFIED)

The M.Phil. Course may be conducted as per the existing M.Phil. reformulated regulations No. Acad. L.3855/R/97 dated 18-11-1997.

1. Eligibility :

The qualification for admission to the M.Phil. Degree Course in Nano Science and Nanotechnology shall be a Second Class Master's Degree in Nano Science, Physics, Chemistry, Materials Science or Photonics of this University or a Master's Degree of any other University recognized by this University as equivalent thereto, with not less than 55% marks subject to the rules of relaxation for SC/ST Candidates.

2. Admission procedure :

Admission to the M.Phil. Course will be made on the basis of the marks secured in the qualifying examination and in a Common Entrance Test as follows :

The percentage of marks obtained for the Master's Degree will be converted to the percentage on 50.

Master's Degree	:	50 Marks
Common Entrance Test	:	50 Marks
Total	:	<u>100 Marks</u>

3. Number of Seats :

A total of ten (10) candidates will be admitted to the M.Phil. Course.

The above said Regulations relating to M.Phil. Programme in Nano Science and Nanotechnology were laid before the Senate at its meeting held on 29th and 30th July 2008 as is envisaged under Section 39 (1) of the Kerala University Act, 1974.

(4)

No. Acad.L/R/2315/2008.

6th October 2008.

The Academic Council at its meeting held on 29th and 30th May 2007 approved the Regulations relating to M.Sc. Nursing Course (from 2006 admissions). Certain amendments to the said Regulations were approved by the Academic Council at its meeting held on 20th May 2008. Regulations relating to M.Sc. Nursing Degree Course approved by the Academic Council are as follows:

REVISED REGULATIONS RELATING TO MASTER OF SCIENCE IN NURSING FROM (2006 ADMISSIONS)

1. Eligibility :

The candidates seeking admission for M.Sc. Nursing must fulfill the following requirements :

- (a) Successful completion of Four year B.Sc. Nursing Degree course or 2 year Post-Basic B.Sc. Nursing Degree (Regular) conducted by the University of Kerala or its equivalent regular programmes conducted by any other recognized Universities.
- (b) 1 year experience after Four Year B.Sc. Nursing Degree Course in any recognized Hospital or in recognized School of Nursing or in a Public Health Agency.

OR

- (c) 1 year internship after successful completion of 4 year B.Sc. Nursing Course conducted in the State (subject to approval by Indian Nursing Council).
- (c) Candidates with Post-Basic B.Sc. Nursing (Regular) are eligible to apply for M.Sc. Nursing directly. One year experience is not required for Post-Basic B.Sc. Nursing Candidates.
- (d) Registration with Kerala Nurses and Midwives Council.

2. Duration :

Duration of the Course shall be of two years of four semesters. For those students who join after the actual date of commencement of course, the course will be deemed to have commenced on their date of joining the course. They have to undergo the course till the completion of the total duration of the course.

3. Training Programme :

All candidates joining the post graduate training programme must work as full time residents during the whole period of their Post-graduate training. All the candidates must be given full time responsibility and assignments and their participation in all facets of the educational processes assured. The Post-graduate students should be paid stipend. They have to stay in the hostel or within 5 km. from the institution and must be available for 'on call duty' in times of emergencies.

Post-graduate students must maintain a record book of the work carried out by them and the training programmes undergone by them during the period of training including details of surgical operations/advanced nursing procedures assisted or done independently. These record books should be checked and assessed by the Faculty members imparting training. The candidates also should be required to participate in the teaching and training programmes of under graduate students. (B.Sc. & GNM).

4. Teaching Strategies :

(a) Shall include formal lectures, seminar, symposium, clinical discussion, journal club, term paper, projects, ward teaching etc.

(b) However the number of theory sessions should be maintained to a minimum to encourage self-learning

5. Examination :

University examination shall be conducted at the end of each semester.

(a) Candidates shall be eligible to appear for University Examination only if they have 80% of attendance in theory and 100% in practical with satisfactory progress report.

(b) If the candidate fails in any semester he/she is permitted to continue the next semester and appear for the subsequent University Examination.

(c) If a candidate fails in all subjects in a semester he/she will not be permitted to continue the next semester. In case the candidate fails in one paper he/she will be allowed to continue the next semester and permitted to take up the examination in the failed subjects and also the regular examinations. In case if he/she fails in the previous semester subjects the results of the regular semester will be withheld until he/she clears all the earlier semester subjects but will be allowed to continue the subsequent semester.

(d) Candidates are eligible to appear for the final semester examination only if he/she passes, I, II and III semester examination and completes all the academic requirements.

(e) The candidate submit dissertation one month prior to the completion of the course.

(f) *Grading :*

Second Class—50%

First Class—65% and above

Distinction Class—75% and above

Rank will be determined on the basis of aggregate marks of 4 semesters and the candidates should have passed all the papers in the first chance.

(g) *Examinership :*

PG examiners should have minimum 3 years of experience as a PG Teacher in the particular speciality.

6. Leave :

Candidates can avail 20 days of casual leave per year.

All PG students are eligible for weekly off for one day. Thus a candidates will be eligible to avail a maximum of 73 days per year inclusive of 20 days casual leave and weekly off.

Candidates will also be eligible for leave supported by medical certificate subject to verification by Medical Board and recommended by Head of Institution.

No stipend will be given during this leave period.

Any leave over and above 73 days in a year will have to be compensated by adequate extension of the duration of the course.

All the 365 days of the year are working days for the PG students.

If the candidate is unauthorizedly absent for more than 10 days he/she will be terminated from the course and liquidated damages levied.

Leave rules will be revised/amended as per the direction of Directorate of Medical Education in the Government Nursing Colleges.

7. Uniform :

PG students have to wear prescribed uniform when they are in the clinical field.

The above said Regulation relating to M.Sc. Nursing Degree Course (from 2006 admissions) were laid before the Senate at its meeting held on 29th and 30th July 2008 as is envisaged under section 39 (1) of the Kerala University Act, 1974.

(5)

No. Ac.L/R/2316/2008.

6th October 2008.

The Academic Council at its meeting held on 7th November, 2007 approved the Regulation relating to B.C.A. Degree Course (Semester) 2007 Admission as follows :

REGULATIONS RELATING TO B.C.A. DEGREE COURSE (SEMESTER) 2007 ADMISSIONS

1. Eligibility :

Candidates for admission to B. C. A. programme should have passed the Higher Secondary/Technical Higher Secondary/Vocational Higher Secondary Examination of Government of Kerala or CBSE or ICSE or any other examination recognized as equivalent there to by the University of Kerala, with Mathematics as one of the optional subjects.

2. Admission :

Admission to the B.C.A. programme shall be made on the basis of total marks obtained for the qualifying examination plus marks for Mathematics (or Computer Science, only if the student has not included Mathematics in the qualifying examination) obtained at the qualifying examination and observing the rules for reservation in force. In addition to this, the University may also decide to conduct an entrance examination in which case 40% weightage will be given to the marks scored in the entrance examination.

3. Reservation of seats :

The rules applicable for reservation of seats for candidates belonging to SC/ST category laid down by the University from time to time shall be observed.

4. Duration of the Programme :

The programme shall be of three years duration consisting of six semesters. Each semester shall consist of not less than 18 working weeks.

5. Examinations :

5. 1 *Conduct of assessment : In-semester assessment :*

In-semester assessment in the theory courses shall be carried out by the teacher concerned and marks awarded based on assessment : components indicated in the syllabus for each course. The question papers related to in-semester assessment shall be forwarded to the University after each examination band. All marks shall be rounded to the nearest whole number.

5. 2 *End-semester Assessment:*

End-semester examinations shall be conducted for all courses in the 1st, 3rd and 5th Semesters by the Head of the College/Institute concerned. The marks secured by candidates at examination conducted by the Head of the College/Institute concerned shall be forwarded to the University by the Head of the College/Institute and shall be recorded in the consolidated mark list issued to students on completion of the programme. The question papers for such examinations shall be set by the teacher offering the course and shall be reviewed by another teacher. These forms and final question papers shall be forwarded to the University after each examination band. For the specified courses in the 2nd, 4th and 6th Semesters, the University shall conduct end-semester examinations.

5. 3 *Conduct of Practical Examinations:*

For Laboratory Course, there shall be 2 examiners: One who offers the course and the other nominated by the Head of College/Institute from outside the College/Institute. Examiners from outside the College/Institute shall be B.Tech./ Masters Degree Holders in areas allied to the examined subject and shall have a minimum of 2 years relevant teaching / work experience. Each College/Institute shall maintain a register of such examiners with full academic resume for inspection by the University at any time.

5. 4 *Syllabus for Examinations:*

For each semester examination only the current syllabus of the semester will be followed.

5. 5 *Failure and Supplementary Examinations:*

If a student fails in one or more course, he/she need re-appear only for the failed course in the subsequent supplementary examination. The maximum number of chances in which a student should pass the examination of any course shall be 3. The Supplementary examinations for all the University examination shall be conducted along with the next regular semester examination, however this restriction is not applicable for examinations conducted by the Head of the College/Institute. The facility for improvement of marks shall be given for courses for which University conducts examination, except the final semester. Such facility shall be availed in the immediate next chance. Cancellation of Examinations: A Student can cancel the whole examinations of any semester on the basis of the existing rules for cancellation as that for other B.Sc. programmes.

5. 6 *Minimum Marks and Classification :*

Minimum marks for a pass: For each theory course, a candidate should secure a minimum of 40% (out of Max. 75 marks) excluding In-semester assessment and 50% overall including In-semester assessment (i.e., out of maximum 100 marks) for pass in the course concerned. Classification: Aggregate marks secured for 2nd, 4th and 6th semester shall only be considered for final classification of results. Candidates who secure 80% and above in aggregate passing all subjects within the minimum duration of the programme shall be declared to have passed in first class with distinction. Candidates securing 60% and above in the aggregate of all subjects will be declared to have passed the examination in First Class. All other successful candidates will be declared to have passed in Second class. Minimum Attendance and Provision for Condonation: A candidate will be permitted to register and appear for the end-semester examination only if the candidate has, 80% attendance in all subject. Condonation shall be done by the University as per rules for other B.Sc. programmes. If the candidate does not pass all courses in the examinations held within 12 consecutive semesters after enrolment, the candidate shall discontinue the programme.

All other regulations shall be followed as per the scheme and syllabus of B.Sc. Computer Science (regular) version 1.0, as and when applicable.

The above regulations relating to B.C.A. Degree Course were laid before the Senate at its meeting held on 29th and 30th July, 2008 as is envisaged under section 39 (1) of the Kerala University Act, 1974.

(6)

No. Acad. L/R/2317/2008.

14th October 2008.

The Regulations Relating to Eligibility, Subject Combination and Mode of Ranking for Admission to Various Undergraduate Courses with effect from 2004-05 Academic Year as approved by the Academic Council at its meeting held on 19th and 27th May, 2004 and 5th November, 2005 is as follows :

REGULATIONS RELATING TO ELIGIBILITY, SUBJECT COMBINATION AND MODE OF RANKING FOR ADMISSION TO VARIOUS
UNDER GRADUATE COURSES (w.e.f. 2004-05 ACADEMIC YEAR)

No.	Name of Course	Eligibility for Admission	Mode of Admission /Index Marks [Total marks for the Main Subject Proposed for B.Sc. (600+100)]
(1)	(2)	(3)	(4)
1. B.Sc. Degree Course under the Faculty of Science			
1	B.Sc. (Mathematics)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with Mathematics as one of the subjects under science group	Total marks secured for Higher Secondary + Marks secured for Mathematics
2	B.Sc. (Physics)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with Physics as one of the subjects	Total marks secured for Higher Secondary + Marks secured for Physics
3	B.Sc. (Chemistry)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with Chemistry as one of the subjects	Total marks secured for Higher Secondary + Marks secured for Chemistry
4	B.Sc. (Zoology)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with Biology as one of the subjects under Science group	Total marks secured for Higher Secondary + Marks secured for Biology
5	B.Sc. (Botany)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with Biology as one of the subjects under Science group	Total marks secured for Higher Secondary + Marks secured for Biology
6	B.Sc. (Geology)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with any two of the following subjects, Physics, Chemistry, Mathematics, Geology or Statistics	Total marks secured for Higher Secondary + 15% of marks obtained for Geology as weightage for those who have studied Geology
7	B.Sc. (Geography)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto. Must have studied either Geography as one of the Optional subjects or any of the following subjects Mathematics, Geology, Chemistry, Physics, Statistics, Computer Science	Total marks secured for Higher Secondary + 15% of marks obtained for Geography as weightage for those who have studied Geography
8	B.Sc. (Home Science)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with Chemistry or Home Science	Total marks secured for Higher Secondary + 15% of marks obtained in Home Science as weightage for those who have studied Home Science
9	B.Sc. (Statistics)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with Mathematics and any one of the following subjects Physics, Computer Science or Statistics	Total marks in Higher Secondary + Marks secured for Mathematics+ 15% of marks obtained for Statistics as weightage for those who studied Statistics

(1)	(2)	(3)	(4)
10	B.Sc. (Polymer Chemistry)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with Chemistry as one of the subjects	Total marks in Higher Secondary + Marks secured for Chemistry
11	B.Sc. (Bio-Chemistry)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with Chemistry and Biology as one of the subjects	Total marks in Higher Secondary + Marks secured for Chemistry

2. B.Sc. Degree Course under the Faculty of Applied Sciences

1	B.Sc. (Electronics)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with Physics as one of the subjects	Total marks in Higher Secondary + Marks for Physics
2	B.Sc. (Computer Science)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with (a) Physics and (b) Mathematics/Computer Science	Total marks in Higher Secondary + Marks for Physics
3	B.Sc. (Bio-technology)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with Biology as one of the subjects	Total marks in Higher Secondary + Marks for Biology
4	B.Sc. (Environmental Science)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with Biology as one of the subjects	Total marks in Higher Secondary + Marks for Biology

3. B.Com. Degree Course under the Faculty of Commerce

1	B.Com.	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto provided candidates coming from Non-Commerce group should have atleast 45% of the aggregate marks	Total marks in Higher Secondary + Marks scored for Accounting/Book keeping + weightage of 15% of marks scored for Business Studies
2	Commerce—Tax Procedure and Practice (Restructured)		
3	Commerce—Tourism and Travel Management (Restructured)		
4	Commerce-Hotel Management and Catering (Restructured)		

4. Restructured Degree Course

1	B.Sc. (Biological Techniques and Specimen Preparation)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with Biology as one of the subjects	Total marks in Higher Secondary + Marks for Biology
2	B.Sc. (Physics & Optical Instrumentation)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with Physics as one of the subjects	Total marks in Higher Secondary + Marks for Physics

(1)	(2)	(3)	(4)
3	B.Sc. (Botany and Biotechnology)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with Biology as one of the subjects	Total marks in Higher Secondary + Marks for Biology
4	B.Sc.(Chemistry & Industrial Chemistry)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with Chemistry as one of the subject.	Total marks in Higher Secondary + Marks for Chemistry
5	B.Sc.(Bio-Chemistry and Industrial Microbiology)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with Biology as one of the subjects	Total marks in Higher Secondary + Marks for Biology
6	B.Sc.(Physics and Computer Application)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with Physics as one of the subjects	Total marks in Higher Secondary + Marks for Physics
7	B.Sc.(Physics & Electrical Equipment Maintenance)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto with Physics as one of the subjects	Total marks in Higher Secondary + Marks for Physics

5. B.A. Degree Course Under the Faculty of Social Sciences

1 Economics	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto	Total marks in Higher Secondary + Marks scored by the candidate for the subject for which the candidate seeks admission
2 History		
3 Political Science		
4 Sociology		
5 Psychology		
6 Islamic History		

6. B.A. Degree Course Under the Faculty of Arts

1 English	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto	Total marks for Higher Secondary/ equivalent (600) + double the percentage of marks for General English
2 Functional English Communicative English (Vocational Course)		
3 English and Communicative English		
4 B.A. Mass Communication and Video Production (Vocational)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto	Entrance Test
5 Malayalam and Mass Communication (Restructured)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto	Entrance Test
6 Journalism and Mass Communication and Video Production (Restructured)	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto	Entrance Test
7 Philosophy	A Pass in Higher Secondary Examination of the State or an Examination accepted by the University as equivalent thereto	Total marks for Higher Secondary + Marks scored in Part III Philosophy (Optional)

7. B.A. Degree Course Under the Faculty of Oriental Studies

1. Malayalam		
2. Hindi		
3. Sanskrit	A Pass in Higher Secondary Examination of the State	Total marks in Higher Secondary + the
4. Tamil	or an Examination accepted by the University as	Marks secured in the language
5. Arabic	equivalent thereto	concerned as optional under Part III
6. Functional Hindi		Optional + 50% weightage of marks
(Vocational Course)		scored in Part II Second Language con-
		cerned at the qualifying examination.

Calculation of Index Marks for VHSE Students

In the case of those who have qualified in the Vocational Higher Secondary Examination for calculating the index marks for admission to the above courses exclude marks for vocational subject and foundation course and normalize the marks for optional to 400 and language to 200. However the candidates who have passed the VHSE Examination are not eligible for applying for the courses coming under the Faculty of Oriental Studies.

The above regulations were laid before the Senate at its meeting held on 29th July, 2008 as is envisaged under Section 39 (1) of the Kerala University Act 1974.

(7)

No.Acad L/R/2318/2008.

17th October 2008.

The following revised regulations relating to M. B. B. S. Degree Course (2007-2013) from the academic year 2007-2008 was approved by the Academic Council at its meeting held on 7-11-2007.

REVISED REGULATIONS RELATING TO M. B. B. S. DEGREE COURSE FROM ACADEMIC YEAR 2007-2008 ONWARDS

SECTION I—RULES AND REGULATIONS

The rules and regulations proposed for the MBBS Degree course based on the recommendations of the Medical Council of India 1997 are detailed under the following heads.

1. Introduction.
2. General considerations and teaching approach.
3. Objectives of medical graduate training programme.
4. Admission, selection and migration.
5. Training.
6. Examination regulations.

I. INTRODUCTION

MCI regulations on graduate medical education in 1997 envisage a change in the pattern of medical education. The basic concept is to increase vertical integration of medical curriculum. A reduction of six months is made for the I MBBS course, increasing the training period of the II and III MBBS. The overall course duration is the same, but is reorganized into nine semesters of six months each. The reduction of six months of the I MBBS is meant to reduce the quantum of teaching of preclinical subjects to the medical students and to give time during the later years for revising the preclinical subjects with relevance to the clinical teachings. Organisation of teaching of clinical subjects should be done concentrating on vertical integration, incorporating the teaching staff of preclinical and paraclinical subjects also. A new pattern is designed for the internal assessment and University examinations. Paediatrics is being separated from Medicine and organized as a separate examination in Final MBBS Part II. The calendar for the new batch is made ready on the starting of the course. House Surgeons postings is reorganized according to the IMC norms with suitable modifications.

II. GENERAL CONSIDERATIONS AND TEACHING APPROACH

1. Graduate medical curriculum is oriented towards training students to undertake the responsibilities of a physician of first contact who is capable of looking after the preventive, promotive, curative and rehabilitative aspects of medicine.
2. With the wide range of career opportunities available today, a graduate has a wide choice of career opportunities. Training though broad based and flexible should aim to provide an educational experience of the essentials required for health care in our country.

3. To undertake the responsibilities of service situation which is a changing condition and of various types, it is essential to provide adequate placement training tailored to the needs of such services as to enable the graduates to become effective instruments of implementation of those requirements. To avail of opportunities and be able to conduct professional requirements, the graduate shall endeavour to have acquired basic training in different aspects of medical care.

4. The importance of the community aspects of health care and of rural health care services is to be recognized. This aspect of education and training of graduates should be adequately recognized in the prescribed curriculum. Its importance has been systematically upgraded over the past years and adequate exposure to such experiences should be available throughout all the three phases of education and training. This has to be further emphasized and intensified by providing exposure to field practice areas and training during internship period. The aim of the period of rural training during internship is to enable the fresh graduate to function efficiently under such settings.

5. The educational experience should emphasize health and community orientation instead of only disease and hospital orientation or being concentrated on curative aspects. As such, all the basic concepts of modern scientific medical education are to be adequately dealt with.

6. There must be enough experiences to be provided for self learning. The methods and techniques that would ensure this must become a part of teaching-learning process.

7. The medical graduate of modern scientific medicine shall endeavour to become capable of functioning independently in both urban or rural environment. He/She endeavour to give emphasis on fundamental aspects of the subjects taught and on common problems of health and diseases avoiding unnecessary details of specialization.

8. The importance of social factors in relation to the problems of health and diseases should receive proper emphasis throughout the course and to achieve this purpose the educational process should also be community based than only hospital based. The importance of population control and family welfare planning should be emphasized throughout the period of training with the importance of health and development duly emphasized.

9. Adequate emphasis is to be placed on cultivating logical and scientific habits of thought, clarity of expression, independence of judgement and ability to collect and analyze information and to correlate them.

10. The educational process should be placed in a historic background as an evolving process and not merely as an acquisition of a large number of disjointed facts without proper perspectives. The history of medicine with reference to the evolution of medical knowledge both in this country and the rest of the world should form a part of this process.

11. Lectures alone are generally not adequate as a method of training and are a poor means of transferring/acquiring information and even less effective at skill development and in generating the appropriate attitudes. Every effort should be made to encourage the use of active methods related to demonstrations and on first hand experience. Students will be encouraged to learn in small groups through peer interaction, so as to gain maximal experience through contacts with patients and the communities in which they live. While the curriculum objectives often refer to areas of knowledge or science, they are best taught in a setting of clinical relevance and hands on experience for students who assimilate and make this knowledge apart of their own working skills.

12. The graduate medical education in clinical subjects should be based primarily on outpatient teaching emergency Departments and within the community including peripheral health care institutions. The outpatient departments should be suitably planned to provide training to graduates in small groups.

13. Clinics should be organized in small groups of preferably not more than 10 students so that a teacher can give personal attention to each student with a view to improve his skill and competence in handling of the patient.

14. Proper records of the work should be maintained which will form the basis of the student's internal assessment and should be available to the inspectors at the time of inspection of the college by the Medical Council of India.

15. Maximal efforts have to be made to encourage integrated teaching between traditional subject areas using a problem based learning approach starting with clinical or community cases and exploring the relevance of various preclinical disciplines in both understanding and resolution of the problem. Every attempt should be made to de-emphasize compartmentalization of disciplines so as to achieve both horizontal and vertical integration in different phases.

16. Every attempt is to be made to encourage students to participate in group discussions and seminars to enable them to develop personality, character, expression and other facilities which are necessary for a medical graduate to function either in solo practice or as a team leader when he begins his independent career. A discussion group should not have more than 20 students.

17. Faculty members should avail of modern educational technology while teaching the students and to attain this objective, Medical Education Units/Departments should be established in all medical colleges for faculty development and providing learning resource material to teachers.

18. To derive maximum advantage out of this revised curriculum, the vacation period to students in one calendar year should not exceed one month, during 4 ½ years Bachelor of Medicine and Bachelor of Surgery (MBBS) Course.

19. In order to implement the revised curriculum in toto, State Governments and Institutional Bodies must ensure that adequate financial and technical inputs are provided.

III OBJECTIVES OF MEDICAL GRADUATE TRAINING PROGRAMME

1. National Goals

At the end of undergraduate programme, the medical student shall endeavour to be able to:

- (a) recognize “health for all” as a national goal and health right of all citizens and by undergoing training for medical profession, fulfill his/her social obligations towards realization of this goal;
- (b) learn every aspect of national policies on health and devote himself/herself to its practical implementation;
- (c) achieve competence in practice of holistic medicine, encompassing promotive, preventive, curative and rehabilitative aspects of common diseases;
- (d) develop scientific temper, acquire educational experience for proficiency in profession and promote healthy living;
- (e) become exemplary citizen by observation of medical ethics and fulfilling social and professional obligations, so as to respond to national aspirations.

2. Institutional Goals

(a) In consonance with the national goals each medical institution should evolve institutional goals to define the kind of trained manpower (or professionals) they intend to produce. The undergraduate students coming out of a medical institute should:

- I be competent in diagnosis and management of common health problems of the individual and the community, commensurate with his/her position as a member of the health team at the primary, secondary or tertiary levels, using his/her clinical skills based on history, physical examination and relevant investigations;
- II be competent to practice preventive, promotive, curative and rehabilitative medicine in respect to the commonly encountered health problems;
- III appreciate rationale for different therapeutic modalities, be familiar with the administration of the “essential drugs” and their common side effects;
- IV be able to appreciate the socio-psychological, cultural, economic and environmental factors affecting health and develop human attitude towards the patients in discharging ones’s professional responsibilities;
- V possess the attitude for continued self learning and to seek further expertise or to pursue research in any chosen area of medicine;
- VI be familiar with the basic factors which are essential for the implementation of the National Health programmes including practical aspects of the following:
 - (i) Family Welfare and Maternal and Child Health (MCH),
 - (ii) Sanitation and Water Supply,
 - (iii) Prevention and control of communicable and non-communicable diseases,
 - (iv) Immunization,
 - (v) Health Education.
- VII acquire basic management skills in the area of human resources, materials and resource management related to health care delivery;
- VIII be able to identify community health problems and learn to work to resolve these by designing, instituting corrective steps and evaluating outcome of such measures;
- IX be able to work as a leading partner in health care teams and acquire proficiency in communication skills;
- X be competent to work in a variety of health care settings;
- XI have personal characteristics and attitudes required for professional life such as personal integrity, sense of responsibility and dependability and ability to relate to or show concern for other individuals.

All efforts must be made to equip the medical graduate to acquire the skills as detailed below:

APPENDIX A

A comprehensive list of skills recommended as desirable for Bachelor of Medicine and Bachelor of Surgery (MBBS) graduate

1. *Clinical Evaluation:*
 - (a) To be able to take a proper and detailed history;
 - (b) To perform a complete and thorough physical examination and elicit clinical signs;
 - (c) To be able to properly use the Stethoscope, Blood Pressure Apparatus, Auroscope, Thermometer, Nasal Speculum, Tongue Depressor, Weighing Scales, Vaginal Speculum etc.;
 - (d) To be able to perform internal examination-Per Rectum (PR) Per Vaginum (PV) etc.;
 - (e) To arrive at a proper provisional clinical diagnosis.
2. *Bed Side Diagnostic Tests :*
 - (a) To do and interpret Haemoglobin (HB), Total Count (TC), Erythrocyte Sedimentation Rate (ESR) Blood smear for parasites, Urine examination—albumin/sugar/ketone/microscopic;
 - (b) Stool examination for ova and cysts;
 - (c) Gram staining and Ziehl-Nielsen staining for AFB;
 - (d) To do skin smear for lepra bacilli;
 - (e) To do and examine a wet film vaginal smear for trichomonas;
 - (f) To do skin scraping and Potassium Hydroxide (KOH) stain for fungus infections;
 - (g) To perform and read mantoux Test.
3. *Ability to carry out procedures :*
 - (a) To conduct CPR (Cardiopulmonary Resuscitation) and First aid in new borns, children and adults;
 - (b) To give Subcutaneous (SC)/Intramuscular (IM)/Intravenous (IV) injections and start Intravenous (IV) infusions;
 - (c) To pass a nasogastric tube and give gastric lavage;
 - (d) To administer Oxygen-by mask/Catheter;
 - (e) To administer Enema ;
 - (f) To pass a urinary Catheter-Male and Female;
 - (g) To insert a flatus tube;
 - (h) To do pleural tap, ascitic tap & lumbar puncture;
 - (i) Insert intercostals tube to relieve tension pneumothorax;
 - (j) To relieve cardiac tamponade;
 - (k) To control external haemorrhage.
4. *Anaesthetic Procedures :*
 - (a) Administer local anesthesia and nerve block;
 - (b) Be able to secure airway patency and administer Oxygen by Ambu Bag.
5. *Surgical Procedures :*
 - (a) To apply splints, bandages and Plaster of Paris (POP) slabs;
 - (b) To do incision and drainage of abscesses;
 - (c) To perform the management and suturing of superficial wounds;
 - (d) To carry on minor surgical procedures, eg., excision of small cysts and nodules circumcision, reduction of paraphimosis, debridement of wounds etc.;
 - (e) To perform vasectomy;
 - (f) To manage anal fissures and give injections for piles.

6. *Mechanical procedures :*

- (a) To perform thorough antenatal examination and identify high risk pregnancies;
- (b) To conduct normal delivery;
- (c) To apply low forceps and perform and suture episiotomies;
- (d) To insert and remove IUDs and perform tubectomy.

7. *Paediatrics :*

- (a) To assess new born and recognize abnormalities and intra uterine retardation;
- (b) To conduct immunization;
- (c) To teach infant feeding to mothers;
- (d) To monitor growth by the use of “road to health chart” and to recognize development retardation;
- (e) To assess dehydration and prepare and administer Oral Rehydration Therapy (ORT);
- (f) To recognize acute respiratory infection clinically.

8. *ENT Procedures :*

- (a) To be able to remove foreign bodies;
- (b) To perform nasal packing of epistaxis;
- (c) To perform tracheostomy

9. *Ophthalmic Procedures :*

- (a) To evert eye-lids;
- (b) To give Subconjunctival injection;
- (c) To perform epilation of eye-lashes;
- (d) To measure the refractive error and advise correctional glasses;
- (e) To perform nasolacrimal duct syringing for patency

10. *Dental Procedures :*

- (a) To perform dental extraction.

11. *Community Health :*

- (a) To be able to supervise and motivate community and para-professionals for corporate efforts for the health care;
- (b) To be able to carry on managerial responsibilities; eg. Management of stores, indenting and stock keeping and accounting;
- (c) Planning and management of health camps;
- (d) Implementation of national health programmes;
- (e) To effect proper sanitation measures in the community; eg., disposal of infected garbage and chlorination of drinking water;
- (f) To identify and institute control measures for epidemics including its proper data collecting and reporting.

12. *Forensic Medicine including Toxicology :*

- (a) To be able to carry on proper medicolegal examination and documentation of injury and age reports;
- (b) To be able to conduct examination for sexual offences and intoxications;
- (c) To be able to preserve relevant ancillary materials for medicolegal examination;
- (d) To be able to identify important post-mortem findings in common unnatural deaths;

13. *Management of emergencies :*

- (a) To manage acute anaphylactic shock;
- (b) To manage peripheral vascular failure and shock;
- (c) To manage acute pulmonary oedema and left ventricular failure;
- (d) Emergency management of drowning, poisoning and seizures;
- (e) Emergency management of bronchial asthma and status asthmatics;
- (f) Emergency management of hyperpyrexia;
- (g) Emergency management of comatose patients regarding airways, positioning-prevention of aspiration and injuries;
- (h) Assess and administer emergency management of burns.

IV ADMISSION, SELECTION AND MIGRATION

1. **Eligibility Criteria**

No candidate shall be allowed to be admitted to the medical curriculum of first Bachelor of Surgery (MBBS) course until :

- (a) He/She has completed the age of 17 years on or before the 31st of December of the year commencing the prescribed academic session of the said course.
- (b) He/She has passed qualifying examination as under :

- (i) The Higher Secondary Examination or the Indian School Certificate Examination which is equivalent to 10+2 Higher Secondary Examination after a period of 12 years study, the last two years of study comprising of Physics, Chemistry, Biology and Mathematics or any other elective subject with English at a level not less than the core course for English as prescribed by the National Council for Education Research and Training after the introduction of the 10+2+3 years educational structure as recommended by the National Committee on education;

Note:— Where the course content is not as prescribed for 10+2 education structure of the National Committee, the candidates will have to undergo a period of one year pre-professional training before admission to Medical Colleges.

OR

- (ii) The intermediate examination in science of an Indian University/Board or other recognized examining body with Physics, Chemistry and Biology which shall include a practical test in these subjects and also English as a compulsory subject.

OR

- (iii) The pre-professional/pre-medical examination with Physics, Chemistry and Biology, after passing either the Higher Secondary School examination, or the pre-university or an equivalent examination. The pre-professional/pre-medical examination shall include a practical test in Physics, Chemistry and Biology and also English as a compulsory subject;

OR

- (iv) The first year of the three years degree course of a recognized University, with Physics, Chemistry and Biology including a practical test in these subjects provided the examination is a "University Examination" and candidate has passed 10+2 with English at a level not less than a core course.

OR

- (v) B.Sc. examination of an Indian University, provided that he/she has passed the B.Sc. examination with not less than two of the following subjects—Physics, Chemistry, Biology (Botany, Zoology) and further that he/she has passed the earlier qualifying examination with the following subjects—Physics, Chemistry, Biology and English.

OR

- (vi) Any other examination which, in scope and standard is found to be equivalent to the intermediate science examination of an Indian University/Board, taking Physics, Chemistry and Biology including practical test in each of these subjects and English.

*Note:—*The pre-medical course may be conducted either at Medical College or a Science College. Marks obtained in Mathematics are not to be considered for admission to MBBS course. After the 10+2 course is introduced, the integrated courses should be abolished.

2. Selection of Students

The selection of students to Medical Colleges shall be based solely on merit of the candidate and for determination of merit, the following, criteria be adopted uniformly throughout the country :

- (1) In states having only one Medical College and one University/Board/Examining body conducting the qualifying examination, the marks obtained at such qualifying examination may be taken into consideration;
- (2) In states, having more than one university/board/examining body conducting the qualifying examination (or where there are more than one Medical Colleges under the administrative control of one authority) a competitive entrance examination should be held so as to achieve a uniform evaluation as there may be a variation of standard at qualifying examination conducted by different agencies;
- (3) Where there are more than one colleges in a state and only one University/Board conducting the qualifying examination, then a joint selection board be constituted for all the colleges;
- (4) A competitive entrance examination is absolutely necessary in cases of Institutions of All India character;
- (5) To be eligible for competitive entrance examination, the candidate must have passed any of the qualifying examinations as enumerated under the head note "Eligibility Criteria";
- (6) Provided also that :
 - (i) In case of admission on the basis of qualifying examination, a candidate for admission to medical course must have obtained not less than 50% marks in English and 50 % marks in Physics, Chemistry and Biology taken together at the qualifying examination;
 - (ii) In case of admission on the basis of a competitive entrance examination, a candidate for admission to medical course must have obtained in the subjects of Physics, Chemistry, Biology and English individually and must have obtained a minimum of 50% marks taken together in Physics, Chemistry and Biology both at the qualifying examination and the competitive entrance examination;
 - (iii) Provided further that in respect of candidates belonging to Scheduled Caste/Scheduled Tribes and Other Backward Classes (OBCs) the marks obtained be read as 40% instead of 50%.

3. Migration

(a) Migration from one Medical College to another is not a right of a student. However, migration of students from one Medical College to another Medical College in India may be considered by the Medical Council of India only in exceptional cases on extreme compassionate grounds (like death of a supporting guardian, illness of the candidate causing disability or disturbed conditions as declared by Government in the Medical College area). Routine migrations on other grounds shall not be allowed.

(b) Both the colleges ie., one at which the student is studying at present and one to which migration is sought, are recognized by the Medical Council of India.

(c) The applicant candidate should have passed first professional MBBS examination.

(d) The applicant candidate submits his application for migration; complete in all respects, to all authorities concerned within a period of one month of passing (declaration of results) the first professional MBBS examination.

(e) The applicant candidate must submit an affidavit stating that he/she will pursue 18 months of prescribed study before appearing at IInd professional MBBS examination at the transferee Medical College, which should be duly certified by the Registrar of the concerned University in which he/she is seeking transfer. The transfer will be applicable only after receipt of affidavit.

Note:—(i) Migration during clinical course of study shall not be allowed on any ground.

(ii) All applications for migration shall be referred to Medical Council of India by College authorities. No Institution/University shall allow migrations directly without the approval of the Council.

(iii) Council reserves the right not to entertain any application which is not under the prescribed compassionate grounds and also to take independent decisions where applicant has been allowed to migrate without referring the same to the Council.

V. TRAINING

1. Training Period and Time Distribution

The admission should be organized in such a way that teaching in first semester starts by August 1 each year.

(1) Every student shall undergo a period of certified study extending over 4½ academic years divided into 9 semesters (ie., of 6 months each) from the date of commencement of his study for the subjects comprising the medical curriculum to the date of completion of examination and followed by one year compulsory rotating internship. Each semester will consist of approximately 120 teaching days of 8 hours each college working time, including one hour of lunch. The nomenclature of semester system will be uniformly followed in place of years as they are nomenclatured now.

(2) The Period of 4½ years is divided into three phases as follows:—

(a) **Phase I** (2 Semesters)—consisting of pre-clinical subjects (Human Anatomy, Physiology including Bio-physics, Bio-chemistry and introduction to Community Medicine including Humanities). Besides 60 hours for introduction to Community Medicine including Humanities, rest of the time shall be somewhat equally divided between Anatomy and Physiology plus Bio-chemistry combined (Physiology 2/3 and Bio-chemistry 1/3).

(b) **Phase II** (3 Semesters)—consisting of para-clinically/clinical subjects. During this phase teaching of para-clinical and clinical subjects shall be done concurrently. The para-clinical subjects shall consist of Pathology, Pharmacology, Microbiology, Forensic Medicine including Toxicology and part of Community Medicine.

The clinical subjects shall consist of all those detailed below in Phase III.

Out of the time for Para-clinical teaching approximately equal time to be allotted to Pathology, Pharmacology, Microbiology and Forensic Medicine and Community Medicine combined (1/3 Forensic Medicine and 2/3 Community Medicine).

(c) **Phase III** (Continuation of study of clinical subjects for seven semesters after passing Phase-I)—The clinical subjects to be taught during Phase II and III are Medicine and its allied specialities, Surgery and its allied specialities, Obstetrics and Gynaecology and Community Medicine.

Besides clinical posting as per schedule mentioned herewith, rest of the teaching hours be divided for didactic lectures, demonstrations, seminars, group discussions, etc., in various subjects. The time distribution shall be as given in subject wise syllabus. The Medicine and its allied specialities, training will include General Medicine, Paediatrics, Tuberculosis and Chest, Skin and Sexually Transmitted Diseases, Psychiatry, Radio-Diagnosis, Infectious Diseases etc. The Surgery and its allied specialities training will include General Surgery, Orthopaedic Surgery including Physiotherapy and Rehabilitation, Ophthalmology, Otorhinolaryngology, Anaesthesia, Dentistry, Radio-therapy etc. The Obstetrics and Gynaecology training will include family medicine, family welfare planning etc.

(3) The first 2 semesters (approximately 240 teaching days) shall be occupied in the Phase I (Pre-clinical) subjects and introduction to a broader understanding of the perspectives of medical education leading to delivery of health care. No student shall be permitted to join the Phase II (Para-clinical/clinical) group of subjects until he has passed in all the Phase I (Pre-clinical) subjects for which he will be permitted not more than four chances (actual examination), provided four chances are completed in three years from the date of enrollment.

(4) After passing pre-clinical subjects, 1½ year (3 semesters) shall be devoted to para-clinical subjects.

Phase II will be devoted to para-clinical and clinical subjects, along with clinical postings. During clinical phase (Phase III) pre-clinical and para-clinical teaching will be integrated into the teaching of clinical subjects where relevant.

(5) Didactic lectures should not exceed one third of the time schedule, two third schedule should include practicals, clinicals or/and group discussions. Learning process should include living experiences, problem oriented approach, case studies and community health care activities.

(6) Universities shall organize admission timings and admission process in such a way that teaching in first semester starts by 1st of August each year.

(7) Supplementary examination may be conducted within 6 months so that the students who pass can join the main batch and the failed students will have to appear in the subsequent year.

2. Phase Distribution and Timing of Examinations

The nine semesters of six months each are distributed to three phases as detailed below :

<i>Phase</i>	<i>Semesters</i>	<i>Examination</i>
Phase I	Semesters I and II	I. MBBS Anatomy, Physiology, Biochemistry.
Phase II	Semesters III, IV and V	II. MBBS, Pharmacology, Pathology, Microbiology, Forensic Medicine.
Phase III	Semesters VI and VII	III. MBBS Part I Ophthalmology, Otolaryngology, Community Medicine.
	Semesters VIII and IX	III. MBBS Part II General Medicine, General Surgery, Obstetrics and Gynaecology and Paediatrics.

Note:—

- Passing the I professional examination (I MBBS) of this University or any other University recognized by the University as equivalent thereto is compulsory before proceeding to Phase II training.
- A student who fails in the II professional examination, shall not be allowed to appear in IIIrd professional Part I examination unless he passes all subjects of II professional examination.
- Passing in I II professional (Part I) examination is not compulsory before entering into semesters VIII and IX training, however passing of III professional (Part I) is compulsory for being for appearing for III professional (Part II) examination.

Clinical Posting in Various Departments

<i>Subjects</i>	<i>Semesters and duration in weeks</i>							
	<i>III</i>	<i>IV</i>	<i>V</i>	<i>VI</i>	<i>VII</i>	<i>VIII</i>	<i>IX</i>	<i>Total</i>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
General Medicine *	8	...	...	4*	...	8	4	24
Clinical Pathology	...	2	...	...	...	...	...	02
Paediatrics	4	...	...	4	2	10
T. B. & Chest	...	2	...	...	...	...	...	02
Skin & STD	...	2	...	4	...	...	...	06
Radiology	2	...	...	...	...	02
General Surgery	8	...	...	6	...	8	2	24
Anaesthesia	2	...	...	...	...	02
Orthopaedics **	...	4	...	4**	...	...	2	10
Ophthalmology	...	4	...	...	4	...	...	08
ORL (E. N. T.)	...	4	...	...	4	...	...	08
Obst. & Gyn.	8	...	...	4	4	4	2	22
Family Planning	...	2	...	...	...	...	...	02
Community Medicine	...	4	2	...	4	...	...	10
Psychiatry	2	...	...	...	...	02

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Radiotherapy	...	...	2	...	...	...	...	02
Casualty	...	...	...	2	...	...	...	02
Dentistry	...	...	2	...	...	...	...	02
Total	24	24	16	24	16	24	12	140

Clinical Orientation classes in medicine and Surgery will start in the 3rd Semester.

* This posting in Semester VI includes exposure to infectious diseases.

** This posting in Semester VI includes exposure to Rehabilitation Physiotherapy.

VI. EXAMINATION REGULATIONS

1. Essentialities for qualifying to appear in professional examinations.

The performance in essential components of training are to be assessed, based on :

(a) Attendance

75% of attendance for lectures in a subject is compulsory for appearing in the examination provided he/she has 80% attendance in non lecture teaching, ie., seminars, group discussions, tutorials, demonstrations, practicals, hospitals (Tertiary, Secondary, Primary) postings, bedside clinics etc.

(b) Internal Assessment

It shall be based on periodical assessment, evaluation of student assignment, preparation for Seminar, clinical case presentation etc. Regular examinations shall be conducted throughout the course. The question of number of examinations is left to the institution. Day to day assessment should be given importance during internal assessment, Weightage for internal assessment shall be 20 % of the total marks in each subject. The candidate must secure atleast 35% marks of the total marks fixed for internal assessment in a particular subject in order to be eligible to appear in the final University examination of that subject.

2. University Examination

The examinations are to be designed with a view to ascertain whether the candidate has acquired the necessary knowledge, minimum skills, as detailed in Appendix A along with clear concepts of the fundamentals which are necessary for him to carry out his day to day work competently. Evaluation will be carried out on an objective basis. An examination calendar should be prepared with designated dates for all internal and University Examinations by the Institutional Curriculum Committee every year. (Pattern given as Appendix D). A candidate before presenting himself for any University Examination shall produce certificates of having attended the recognized courses of instruction in the subject.

The theory question papers will be designed in such a way that the questions include structured essays, short answer questions and other objective types that call for specific answers. The theory papers in pre and para clinical subjects will give due weightage to the applied aspects and clinical subjects will include questions based on basic sciences also. The present pattern of question papers is provided along with subject wise syllabus given in part II.

The Practical/clinical examination will be conducted in the laboratories or hospital wards. Objective will be to assess proficiency in skills, conduct of experiment, interpretation of data and logical conclusion. Clinical cases should preferably include common diseases the student is likely to come across in practice. Rare cases/obscure syndromes, long cases of neurology etc. shall not be kept for the final examination. Emphasis should be on candidate's capability in eliciting physical signs and their interpretation. Practical examination should be objective and should test skills and ability to interpret the results. Structured evaluation should be done. OSCE (Objective Structured Clinical Evaluation) should be incorporated in the practical examinations.

Viva/oral includes evaluation of management approach and handling of emergencies. Candidate's skill in interpretation of common investigative data, x-rays, identification of specimens, ECG etc. also is to be evaluated.

Pass, First Class and Distinction for University Exam

In each of the subjects, a candidate must obtain 50 % in aggregate for a pass.

This 50% in aggregate includes :—

A separate minimum of 50% in aggregate for theory including viva. (University theory + Viva + Internal Assessment).

AND

A separate minimum of 50% in aggregate for practicals (University practicals + Internal Assessment).

(See Table for the distribution of marks in various disciplines).

Example : Anatomy

Total 200 marks

Theory	Paper I	50 Marks			
	Paper II	50 Marks			
	Int. Asses.	20 Marks	120	}	140
Viva			20		
Practicals	Uni. Exam	40 Marks			
	Int. Asses.	20 Marks			60
Total					200

Out of a total of 140 marks for theory, a student should secure a minimum of 70 marks in aggregate and out of 60 marks for practicals, a separate minimum of 30 is essential for a pass.

Eligibility to appear for the University Examination

A student who secure 35% marks for internal assessment is qualified to appear for university examination provided he/she satisfies that percentage of attendance requirement as said already. (See table for resume of marks in other disciplines).

Candidates who pass the whole examination shall be ranked in the order of proficiency as determined by the total marks obtained by each in both parts and shall be arranged in three classes, the first consisting of those who have obtained not less than 75% of the aggregate marks (Passed with Distinction), the second consisting of those who have obtained not less than 65% of the aggregate marks (Passed in First Class) and all the others (Passed in Second Class). All candidates who fail in the first attempt in any subject and pass subsequently shall not be ranked in distinction or first class. Grace marks upto a maximum of 5 in Total may be awarded for an examination at the discretion of the passing board for a student to pass one subject (theory/practical/oral) provided the student has passed in all other subjects. Grace marks will not be awarded to change internal assessment marks.

A candidate who fails in any one subject but obtains pass marks in another subject of the same examination shall be exempted from re-examination in the subject, which the candidate has passed. Candidates who fail in any subject shall be required to produce a certificate for further study for the period, which shall extend to the next succeeding examination.

In the case of candidates who fail at the M. B. B. S. examinations or having applied for admission, do not appear for the Examination or having obtained the prescribed certificate, do not apply for admission to the examination although qualified to do so, shall be required to produce a certificate of further study including hospital posting/practical work in the subject concerned for the period between the last examination at which they had failed or not appeared and the next succeeding examination, which shall not be less than one semester. In the case of candidates who do not appear for the next succeeding examination, the period of further study shall be decided by the Principal of the College concerned, provided that such study does not exceed two terms. No candidate shall be admitted to the examination unless he/she has produced satisfactory evidence of having complied with the provisions contained in the regulations and has produced the prescribed certificates of study.

The examinations shall be held twice an year and every effort will be made to complete the course and examinations in time so as to prevent course lag.

Resume of marks for different Disciplines

Sl. No.	Subject	Theory Paper I	Theory Paper II	IA	Oral	Total T+IA+O	Practical	IA	Total	Subject Total
1	Anatomy	50	50	20	20	140	40	20	60	200
2	Physiology	50	50	20	20	140	40	20	60	200
3	Biochemistry	50	50	20	20	140	40	20	60	200
4	Pharmacology	40	40	15	15	110	25	15	40	150
5	Pathology	40	40	15	15	110	25	15	40	150
6	Microbiology	40	40	15	15	110	25	15	40	150
7	Forensic Medicine	40	..	10	10	60	30	10	40	100
8	Ophthalmology	40	..	10	10	60	30	10	40	100
9	Otorhinolaryngology	40	..	10	10	60	30	10	40	100
10	Community Medicine	60	60	20	10	150	30	20	50	200
11	General Medicine	60	60	30	20	170	100	30	130	300
12	General Surgery	60	60	30	20	170	100	30	130	300
13	Obstetrics & Gynaecology	40	40	20	30	130	50	20	70	200
14	Paediatrics	40	..	10	10	60	30	10	40	100

Note:—Internal Assessment examinations may be conducted as per the discretion of the departments (minimum of one examination per semester) without violating MCI norms. Internal assessment in Medicine and Surgery will include subspecialties also.

Clinical Postings—Subject-wise

Semester III 24 weeks	Semester IV 24 weeks	Semester V 16 weeks	Semester VI 24 weeks	Semester VII 16 weeks	Semester VIII 24 weeks	Semester IX 12 weeks
Gen. Med. 8	Clin. Path. 2 TB & Chest D2	Paeds. 4 RD2	Gen. Med. 2 Inf.Dise.2	Opthal. 4 ENT 4	Gen. Med. 4 Gen Med. 4	Gen. Med. 4 Paeds. 2
Gen. Surg. 8	Skin & STD 2 Ortho 4	Anaesthesia 2 ROME 2	Skin & STD 4 Gen. Surg. 6	O & G4 Commn. Med. 4	Paeds. 4 Gen. Surg. 8	Gen. Surg. 2 Ortho 2
O & G 8	Ophthal 4 ENT 4 FP2 Comm. Med. 4	Psych. 2 RT2 Dentistry 2	Ortho 2 Phy. Med. 2 O & G4 Casualty 2	.. ..	O & G4 ..	O&G 2 ..

Clinical Postings of M. B. B. S. Students

Semester III 24 Weeks	Semester IV 24 Weeks	Semester V 16 Weeks	Semester VI 24 Weeks	Semester VII 16 Weeks	Semester VIII 24 Weeks	Semester IX 12 Weeks
(1)	(2)	(3)	(4)	(5)	(6)	(7)
8 Weeks Medicine	Orthopaedics 4 wks.	Paediatrics 4 wks.	Medicine. 2 wks. Infectious Diseases 2 wks.	Ophthalmology 4 wks.	Medicine 4 wks.	Medicine 4 wks.
	Ophthalmology 4 wks.	RD 2 wks. Anaesth. 2 wks.	Dermatology 4 wks.	ENT 4 wks.	Medicine 4 wks.	Surgery 2 wks. Orthopedics 2 wks.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
8 wks Surgery		ROME-2	Orthopaedics 2 wks			Obs & gyn. 2 wks.
	ENT 4 wks	RT 2 wks.	Physical Medicine 2 wks	Com. Med 4 wks.	Surgery 4 wks.	Paediatrics 2 wks
	CLIP 2 wks.	Psych. 2	Ob. & Gyn. 4 wks.	Obs. & Gyn. 4 wks.	Surgery 4 wks.	Study Leave 1 week
8 Weeks O & G.	Comm. Med 4 wks.	Dentistry 2 wks				
	TB&Chest 2 wks Skin & STD 2 wks.	Final Internal Assessment Examination	General Surgery 2 Weeks Casualty 2 wks.	Final Internal Assessment Examination	Obs &Gyn. 4 wks.	Internal Asst. Exam. 4 wks.
	Family Planning 2 wks.	Univesity Examination	Surgery-4 wks.	University Examination	Paediatrics 4 wks.	Study leave 1 wk.
	Internal Asst.		Int. Asst. Ex.		Int. Ass.	University Exam.

The above revised regulations relating to M. B. B. S. Degree Course was laid before the Senate at its meeting held on 30th July, 2008 as is envisaged under Section 39 (1) of the Kerala University Act, 1974.

University Buildings,
Thiruvananthapuram.

K. A. HASHIM,
Registrar.